

BOROUGH OF EVESHAM

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1972



BOROUGH OF EVESHAM

ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH  
FOR THE YEAR, 1972

Mayor	...	Councillor George W. Watton
Deputy Mayor	...	Councillor H.A.H. Millward
Chairman of the Public Health & Water Committee	...	Alderman W.F. Kimberley
Chairman of the Housing Committee	...	Alderman E.A. Andrews
Town Clerk	...	N.F. Davies, M.B.E., B.A.
Associate Town Clerk	...	S. Coldicott

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STAFF OF THE PUBLIC HEALTH DEPARTMENT

Medical Officer of Health	...	D.E. Thompson, O.B.E., M.B. B.Ch., M.F.C.M., D.T.M. & H., D.P.H.
Chief Public Health Inspector	...	E.C. Melton, M.A.P.H.I., A.R.S.H.
Additional Public Health Inspector	...	K. Handy, M.A.P.H.I. Diploma in Air Pollution (R.S.H.)

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ANNUAL REPORT FOR THE YEAR 1972

TO THE MAYOR, ALDERMEN & COUNCILLORS OF THE  
EVESHAM BOROUGH COUNCIL

Mr. Mayor, Ladies and Gentlemen,

I have much pleasure in presenting the Annual Report on the state of the Public Health in the Borough of Evesham for the year 1972, and the work carried out by your Health Department.

I wish to thank members of the Council and their staff for their help and co-operation during the year.

I acknowledge, with thanks, the assistance I have received from Mr. E.C. Melton, Chief Public Health Inspector, and his staff, in compilation of this report.

I am, Mr. Mayor, Ladies and Gentlemen,

Your obedient servant,

D.E. Thompson, O.B.E., M.B., B.Ch., M.F.C.M.,  
D.T.M. & H., D.P.H.

Medical Officer of Health

Medical Officer of Health's Office,  
"Lansdowne",  
Port Street,  
Evesham.

Telephone: Evesham 2941.

THE FIRST PART OF THE HISTORY

OF THE REIGN OF HENRY THE SEVENTH

OF ENGLAND

BY JOHN HALLAM, ESQ.

THE FIRST PART OF THE HISTORY OF THE REIGN OF HENRY THE SEVENTH, FROM HIS MARRIAGE TO THE DEATH OF HIS SON, EDWARD THE FIFTH, IN 1483.

THE SECOND PART OF THE HISTORY OF THE REIGN OF HENRY THE SEVENTH, FROM THE DEATH OF HIS SON, EDWARD THE FIFTH, TO HIS OWN DEATH, IN 1509.

THE THIRD PART OF THE HISTORY OF THE REIGN OF HENRY THE SEVENTH, FROM HIS OWN DEATH, TO THE DEATH OF HIS SON, EDWARD THE SIXTH, IN 1553.

THE FOURTH PART OF THE HISTORY OF THE REIGN OF HENRY THE SEVENTH, FROM THE DEATH OF HIS SON, EDWARD THE SIXTH, TO THE DEATH OF HIS SON, EDWARD THE SIXTH, IN 1553.

THE FIFTH PART OF THE HISTORY OF THE REIGN OF HENRY THE SEVENTH, FROM THE DEATH OF HIS SON, EDWARD THE SIXTH, TO THE DEATH OF HIS SON, EDWARD THE SIXTH, IN 1553.

THE SIXTH PART OF THE HISTORY OF THE REIGN OF HENRY THE SEVENTH, FROM THE DEATH OF HIS SON, EDWARD THE SIXTH, TO THE DEATH OF HIS SON, EDWARD THE SIXTH, IN 1553.

THE SEVENTH PART OF THE HISTORY OF THE REIGN OF HENRY THE SEVENTH, FROM THE DEATH OF HIS SON, EDWARD THE SIXTH, TO THE DEATH OF HIS SON, EDWARD THE SIXTH, IN 1553.

THE EIGHTH PART OF THE HISTORY OF THE REIGN OF HENRY THE SEVENTH, FROM THE DEATH OF HIS SON, EDWARD THE SIXTH, TO THE DEATH OF HIS SON, EDWARD THE SIXTH, IN 1553.

THE NINTH PART OF THE HISTORY OF THE REIGN OF HENRY THE SEVENTH, FROM THE DEATH OF HIS SON, EDWARD THE SIXTH, TO THE DEATH OF HIS SON, EDWARD THE SIXTH, IN 1553.

THE TENTH PART OF THE HISTORY OF THE REIGN OF HENRY THE SEVENTH, FROM THE DEATH OF HIS SON, EDWARD THE SIXTH, TO THE DEATH OF HIS SON, EDWARD THE SIXTH, IN 1553.

THE ELEVENTH PART OF THE HISTORY OF THE REIGN OF HENRY THE SEVENTH, FROM THE DEATH OF HIS SON, EDWARD THE SIXTH, TO THE DEATH OF HIS SON, EDWARD THE SIXTH, IN 1553.

SECTION A  
STATISTICS AND SOCIAL CONDITIONS OF THE AREA

Area in Acres		-	3,958 acres.
Registrar General's estimate of resident population:	Mid 1972	-	14,150
	" 1971	-	13,910
	" 1970	-	13,910
	" 1962	-	12,600
	Census 1971	-	13,855
	Census 1961	-	12,901
Number of inhabited houses at:	1st April 1972	-	4,891
	1st April 1971	-	4,796
	1st April 1970	-	4,724
	1st April 1962	-	4,214
Rateable value at 1st April 1972:		-	£651,035
Sum represented by a 1p rate (estimated):		-	£6,300

VITAL STATISTICS  
(1971 figures in brackets)

Population: The population at 14,150 shows a small rise when compared with the 1971 Census figure of 13,855.

<u>Live Births:</u>	<u>Male</u>	<u>Female</u>	<u>Total</u>
Legitimate	97 (103)	113 (100)	210 (203)
Illegitimate	6 (2)	4 (8)	10 (10)
	<u>103 (105)</u>	<u>117 (108)</u>	<u>220 (213)</u>

<u>Birth Rate: (Births per 1,000 population)</u>	<u>1972</u>	<u>1971</u>	<u>1970</u>	<u>1962</u>	<u>1972</u> <u>(Eng. &amp; Wales)</u>
Crude	15.55	15.31	17.50	17.10	14.80 (16.00)
Comparability Factor	1.07	1.01	1.01	1.03	1.00 (1.00)
Standardised	16.64	15.46	17.70	17.60	14.80 (16.00)

<u>Illegitimacy Rate: (Total live illegitimate births per 1,000 total live births)</u>	<u>1972</u>	<u>1971</u>	<u>1970</u>	<u>1962</u>
	45.5	46.9	69.3	51.2

<u>Still Births:</u>	<u>Male</u>	<u>Female</u>	<u>Total</u>
Legitimate	- (-)	2 (-)	2 (-)
Illegitimate	- (-)	- (-)	- (-)

<u>Still Birth Rate: (Still births per 1,000 live and still births)</u>	<u>1972</u>	<u>1971</u>	<u>1970</u>	<u>1962</u>	<u>1972</u> <u>(Eng. &amp; Wales)</u>
	9.0	-	4.3	13.8	12 (12)







<u>Deaths:</u>	<u>Male</u>	<u>Female</u>	<u>Total</u>
	105 (86)	121 (114)	226 (200)

<u>Death Rate: (Deaths per 1,000 population)</u>	<u>1972</u>	<u>1971</u>	<u>1970</u>	<u>1962</u>	<u>1972</u> (Eng. & Wales)
Crude	16.0	14.4	16.9	16.5	12.1 (11.6)
Comparability Factor	.71	.69	.69	.68	1.0 (1.0)
Standardised	11.4	9.9	11.66	11.2	12.1 (11.6)

<u>Major Causes of Deaths (by percentages):</u>	<u>1972</u>	<u>1971</u>	<u>1970</u>
1. Diseases of the circulatory system	68.1	58.0	63.7
2. Malignant Diseases (all forms)	15.5	16.0	13.5
3. Respiratory Diseases (excluding T.B.)	5.8	11.5	15.2
4. Accidents	2.7	1.5	1.3
5. Malignant Diseases (Lung & Bronchus)	4.0	1.5	4.0
6. Suicide & self inflicted injuries	0.4	0.5	0.4
7. Tuberculosis (all forms)	Nil	Nil	Nil

#### MATERNAL DEATHS:

##### Maternal Mortality (Maternal Deaths by 1,000 total live and still births)

<u>1972</u>	<u>1971</u>	<u>1970</u>	<u>1969</u>	<u>1968</u>
-	-	-	-	-

#### INFANT, NEONATAL & PERINATAL DEATHS:

<u>Infant Deaths (under 1 year of age):</u>	<u>Male</u>	<u>Female</u>	<u>Total:</u>
Legitimate	3 (4)	2 (1)	5 (5)
Illegitimate	- (-)	- (-)	- (-)
	<u>3 (4)</u>	<u>2 (1)</u>	<u>5 (5)</u>

<u>Neonatal Deaths (under 4 weeks of age):</u>	<u>Male</u>	<u>Female</u>	<u>Total:</u>
Legitimate	1 (3)	1 (1)	2 (4)
Illegitimate	- (-)	- (-)	- (-)
	<u>1 (3)</u>	<u>1 (1)</u>	<u>2 (4)</u>

<u>Early Neonatal Deaths (under 1 week of age):</u>	<u>Male</u>	<u>Female</u>	<u>Total:</u>
Legitimate	1 (3)	1 (1)	2 (4)
Illegitimate	- (-)	- (-)	- (-)
	<u>1 (3)</u>	<u>1 (1)</u>	<u>2 (4)</u>

<u>Perinatal Deaths (still births and deaths of infants under 1 week:)</u>	<u>Male</u>	<u>Female</u>	<u>Total:</u>
Legitimate	1 (3)	3 (1)	4 (4)
Illegitimate	- (-)	- (-)	- (-)
	<u>1 (3)</u>	<u>3 (1)</u>	<u>4 (4)</u>

#### INFANT, NEONATAL AND PERINATAL MORTALITY RATES:

	<u>1972</u>	<u>1971</u>	<u>1970</u>	<u>1971</u> (Eng. & Wales)
1. Deaths of legitimate infants per 1,000 legitimate live births	23.8	24.6	-	17 (17)
2. Deaths of illegitimate infants per 1,000 illegitimate live births	-	-	-	21 (24)
3. Infant mortality rate (under 1 year)	22.7	23.5	-	17 (18)
4. Neonatal mortality rate (under 4 weeks)	9.1	18.8	-	12 (12)
5. Perinatal mortality rate (still births and deaths of infants under 1 week per 1,000 live and still births).	9.1	18.8	4.3	22 (22)

6. There were five infant deaths, of which two were under 1 week of age.

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CAUSES OF DEATH IN THE BOROUGH OF EVESHAM - 1972  
(1971 figures in brackets)

CAUSES OF DEATH	Male	Female	Total
Enteritis & other Diarrhoeal Diseases	- (-)	1 (-)	1 (-)
Other infective & parasitic diseases	- (1)	- (-)	- (1)
Malignant Neoplasm, Buccal Cavity etc.	2 (-)	1 (-)	3 (-)
Malignant Neoplasm, Oesophagus	1 (-)	- (-)	1 (-)
Malignant Neoplasm, Stomach	2 (2)	2 (2)	4 (4)
Malignant Neoplasm, Intestine	1 (3)	4 (3)	5 (6)
Malignant Neoplasm, Lung, Bronchus	7 (3)	2 (-)	9 (3)
Malignant Neoplasm, Breast	- (-)	2 (6)	2 (6)
Malignant Neoplasm, Prostate	1 (1)	- (-)	1 (1)
Other Malignant Neoplasms	4 (3)	6 (9)	10 (12)
Benign & Unspecified Neoplasms	- (1)	- (1)	- (2)
Diabetes Mellitus	- (-)	1 (1)	1 (1)
Other Endocrine etc., diseases	- (-)	2 (1)	2 (1)
Other diseases of nervous system	2 (-)	- (-)	2 (-)
Chronic Rheumatic Heart disease	- (1)	2 (1)	2 (2)
Hypertensive disease	3 (2)	5 (2)	8 (4)
Ischaemic Heart disease	32 (20)	30 (16)	62 (36)
Other forms of heart disease	11 (10)	19 (16)	30 (26)
Cerebrovascular disease	19 (18)	29 (24)	48 (42)
Other diseases of circulatory system	1 (3)	3 (3)	4 (6)
Pneumonia	3 (4)	4 (12)	7 (16)
Bronchitis & Emphysema	5 (3)	- (2)	5 (5)
Asthma	- (1)	- (-)	- (1)
Other diseases of respiratory system	1 (-)	- (1)	1 (1)
Peptic ulcer	- (-)	- (1)	- (1)
Intestinal Obstruction & Hernia	- (1)	- (1)	- (2)
Cirrhosis of Liver	- (1)	- (2)	- (3)
Other diseases of digestive system	1 (3)	2 (1)	3 (4)
Nephritis & Nephrosis	1 (-)	- (2)	1 (2)
Other diseases, Genito-Urinary system	1 (-)	- (1)	1 (1)
Diseases of musculo-skeletal system	- (-)	1 (1)	1 (1)
Congenital Anomalies	- (2)	- (1)	- (3)
Birth injury, difficult labour, etc.	- (1)	- (-)	- (1)
Other causes of perinatal mortality	1 (1)	1 (-)	2 (1)
Symptoms & Ill defined conditions	- (-)	2 (-)	2 (-)
Motor vehicle accidents	2 (-)	1 (1)	3 (1)
All other accidents	2 (1)	1 (1)	3 (2)
Suicide & self-inflicted injuries	1 (-)	- (1)	1 (1)
All other external causes	1 (-)	- (1)	1 (1)
<b>TOTALS:</b>	<b>105 (86)</b>	<b>121 (114)</b>	<b>226 (200)</b>

DEATHS BY AGE

Age in Years	1972			1971
	M.	F.	TOTAL	
Under 4 weeks	1	1	2	4
4 wks - 1 year	2	1	3	1
1 - 4	-	-	-	1
5 - 14	-	1	1	2
15 - 24	1	-	1	-
25 - 34	1	-	1	2
35 - 44	2	2	4	4
45 - 54	3	6	9	10
55 - 64	19	8	27	23
65 - 74	30	20	50	47
74 & over	46	82	128	106
<b>TOTALS:</b>	<b>105</b>	<b>121</b>	<b>226</b>	<b>200</b>

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SECTION B

GENERAL PROVISION OF HEALTH SERVICES

(a) Clinics and Treatment Services provided by the County Council or by the Regional Hospital Board through the agency of the County Council:

CLINIC	WHERE HELD	TIME
Child Health Clinic (including immunisation) Doctor in attendance	Evesham Clinic, Waterside	Fridays, 2.00 - 4.00 p.m.
Child Health Clinic (Health Visitors)	Evesham Clinic, Waterside	Wednesdays, 2.00 - 4.00 p.m.
Toddler Clinic	Evesham Clinic, Waterside	3rd Thursday morning in month. By appoint- ment.
Relaxation and Mothercraft Class	Evesham Clinic, Waterside	Tuesdays and Thursdays. 2.00 - 4.00 p.m.
Cervical Cytology	Evesham Clinic, Waterside	Thursday mornings. By appointment.
Audiometric Clinic	Evesham Clinic, Waterside	Wednesday mornings, By appointment.
School Clinic (Special cases seen by school doctor)	Evesham Clinic, Waterside	Friday mornings. By appointment.
School Dental Clinic	Evesham Clinic, Waterside	By appointment.
School Speech Therapy Clinic	Evesham Clinic, Waterside	Tuesdays and Thursdays, By appointment.
School Ophthalmic Clinic	Evesham Clinic, Waterside	Monday afternoons. By appointment.
Minor Orthopaedic cases (Physiotherapist)	Evesham Clinic, Waterside	1st Friday in month 2.00 - 4.00 p.m.
Specialist, clinics, medical, surgical, paediatric, etc.	Evesham General Hospital	By appointment.
Chest Clinic	Worcester Royal Infirmary	By appointment.
Child Guidance Clinic	Loves Grove, Worcester	By appointment.
Chiropody Clinic	103 High Street, Evesham	By appointment.

(b) Health Visitors:

The County Council provided a service of health visitors in the Borough, working from the Evesham Clinic, Waterside, Evesham, throughout the year on general duties:-

Full time: Miss J. Hufton, S.R.N., S.C.M., Q.N. & H.V. Certs.  
Mrs. M. Deakin, S.R.N., H.V. Cert.  
Mrs. R. Fraser, S.R.N., H.V. Cert.  
Mrs. T. Hirons, S.R.N., H.V. Cert.

Part time: Mrs. M. James, S.R.N., S.C.M., H.V. Cert.  
D.P.H.N. (U.S.A.) Reg. F.W. 1  
Mrs. E.A. Bond, S.R.N. H.V. Cert.

Also two clinical assistants:-

Mrs. J.A. Wilkinson, S.R.N., O.N.C.  
Mrs. P. Coombs, S.R.N.

Telephonenumber of Evesham Clinic: Evesham 41614.



(c) The Midwifery Services and Home Nursing:

The County Council continued to provide domiciliary nursing and mid-wifery services.

(d) School Health Service:

The County Council continued to provide an extensive school health service throughout the district. This service was described in my report for 1970.

(e) Toddler Clinic:

This clinic was held monthly at the Evesham Clinic, Waterside.

The object is to provide for those who wish to make use of the service, a medical check-up, including vision and hearing tests, for children below school age, normally at the age of about 3 years. This provides an opportunity for the detection and, where possible, the correction of defects which would otherwise be unlikely to come to light until the routine medical examination at school entry at 5 years old. It also enables parents to discuss with the doctor any problems they may have encountered in connection with the development, progress and management of their children.

(f) Laboratory Facilities:

We are fortunate in having at Worcester Royal Infirmary an excellent Public Health Laboratory, directed by Dr. R.J. Henderson, who gives us early information of any micro-organisms detected in the Borough which are potentially dangerous to the Public Health, and also provides facilities for the bacteriological examination of any specimens or samples which may be necessary to detect carriers of disease or to prevent the spread of infectious diseases.

We also have the benefit of an excellent service from the County Analyst in connection with the bacteriological and chemical examination of samples of water, and the chemical analysis of any foodstuffs suspected of possible contamination.

(g) Hospital Services:

Hospitals under the control of the Regional Hospital Board which served this district were:-

Infectious disease	Newtown Hospital, Worcester.
Tuberculosis	Newtown Hospital, Worcester.
Maternity	Evesham Hospital (Avonside Branch), Ronkswood Hospital, Worcester.
Children's Diseases	Evesham Hospital (Briar Close Branch). Worcester Royal Infirmary. Children's Hospital, Birmingham.
Venereal Disease	Worcester Royal Infirmary.
Mental Illness	Powick Hospital.
General	Evesham Hospital (Briar Close Branch) Worcester Royal Infirmary. Birmingham Hospitals.
Aged Chronic Sick	Evesham Hospital (Avonside Branch).





(h) Immunisation Services:

The services provided by the County Council included provision for routine immunisation against diphtheria, tetanus, whooping cough, poliomyelitis, measles and rubella (German measles). B.C.G. vaccination against tuberculosis was also offered to all school children at 12 - 13 years of age, if a simple test showed that this was desirable. Smallpox vaccination, no longer a routine procedure, was available in special circumstances, e.g. in the case of certain travellers proceeding abroad.

(i) Ambulance Service:

This was provided by the County Council, utilising the temporary ambulance station in Abbey Road in a building leased from the G.P.O.

(j) Health Education:

The Borough Council continued to contribute to the Health Education Council, and received copies of its journal, posters and general information about health education topics.

As in previous years, Mr. J.N. Pitts, County Health Education Officer, and the local health visitors, contributed to various health education programmes in schools and among various adult groups, covering subjects such as:- first aid, personal and general hygiene, infectious diseases, preparation for adult life, mothercraft, accident prevention, home safety, fire prevention, water safety, precautions with fireworks, smoking, alcohol and drugs, nutrition, sensible footwear, dental health, immunisation, etc.

(k) Services to the Elderly and Chronic Sick:

The County Council provided a health visiting service for the elderly and chronic sick:-

Mrs. L. Brown, S.R.N., H.V. Cert. )  
Miss R. Davis, S.R.N., S.C.M., Q.N. and H.V. Certs.) Evesham Tel. No.  
6947.

Mrs. V. Evans, S.R.N.

The Borough of Evesham is now the special concern of Miss R. Davis, 33 Northwick Road, Evesham. (Telephone Number 2931).

The voluntary services to the elderly, detailed in previous reports, continued during the year.

(l) Family Planning Association (Evesham Clinic):

Clinics were held from 6.30 p.m. to 8.00 p.m. on Monday evenings and also on the second and fourth Wednesday evenings of the month at the Evesham Clinic, Waterside. There was a total of 1,330 attendances, with 218 new cases, compared with 961 attendances and 195 new cases in the previous year.

206 cervical cytology smears for screening for the early detection of cancer were taken at the F.P.A. Clinics during the year. (181 in 1971).



## SECTION C

### SANITARY CIRCUMSTANCES OF THE AREA

#### WATER SUPPLY:

Water is supplied by the East Worcestershire Waterworks Company and is obtained from three sources, as follows:-

1. The principal supply is derived from six springs in the Middle Hill and Snowhill area of the Cotswolds. The springs are situated in upland agricultural and wooded land. The water issues from the Inferior Oolite and Cotswold sands on Upper Lias clay. After collection into chambers, the water gravitates to Broadway reservoir and is of excellent quality though rather hard.
2. An auxilliary supply is obtained from the Pinnock area in Gloucestershire, where the effluent from two springs is collected and pumped to the Broadway reservoir. This supply is situated in the River Thames watershed and the pumping is restricted.

At the Broadway reservoir, which is an enclosed chamber holding two and a half million gallons, the water is chlorinated with automatic equipment before entering the mains leading to the town.

3. At the northern end of the area water is supplied from deep boreholes at Sugarbrook near Bromsgrove. This supply is fluoridated as well as chlorinated.

It was not found necessary to restrict the supply during the year.

Only one property, an isolated farm, with a population of four, is without mains water for domestic use, all other houses being connected to the mains.

#### Samples:

Twenty-five bacteriological samples were taken. Only one proving unsatisfactory due to a failure of chlorinating plant. Subsequent samples from the same source were satisfactory.

Four chemical samples were taken. One showed a level of lead above the maximum limit of 0.05 ppm recommended for drinking waters, but was not considered dangerously so.

#### Summary:

The Borough is adequately supplied with wholesome water.

#### DRAINAGE AND SEWERAGE DISPOSAL:

With the exception of approximately 60 houses, all houses in the Borough are connected to the main sewerage system.

The sewerage of the Borough comprises:-

- (a) A high level system which discharges by gravity to the inlet channel of the old Sewage Disposal Works at Abbey Road, and
- (b) A low level system discharging to the low level pumping station. Sewage from this station is lifted to the inlet channel to join the gravity flow.

From the inlet channel all sewage passes through a coarse manually raked screen and thence flows up to three times dry weather flow are gravitated via a flow recorder and flow regulating equipment to the high level pumping station and then pumped to the treatment works. Sewage flows between three and ten times dry weather flow are separated and given settlement in four storm water tanks and then passed to the river. Sludge from these tanks is pumped along the rising main to the works (a distance of some  $1\frac{1}{2}$  miles). All sewage in excess of ten times dry weather flow is passed directly to the river.





During 1972 some 308,532,000 gallons of sewage were given full treatment. Rainfall during the same period was 20.80 inches.

At the treatment works the coarse solid material is removed from the sewage by mechanical screens which are automatically controlled and heavy grit and silt is settled in detritus chambers and removed weekly by bucket dredgers.

Settlement of fine solids takes place in six rectangular tanks which are mechanically cleaned.

After settlement the sewage is sprayed by rotating distributors on to ten circular biological filters and the dissolved impurities are removed as the sewage percolates down through the filter media.

Before the effluent is finally discharged to the River Avon it is given a further period of settlement in four hopper bottomed upward flow humus tanks and one circular upward flow humus tank to remove the fine solid matter washed out from the biological filters. This humus sludge is pumped to the inlet of the works and removed with the primary sludge.

The sludge removed from the settlement tanks is first pumped to an open, cold digestion tank and then dried on underdrained drying beds. All the dried sludge removed from the beds is now spread on adjacent agricultural land. In addition mechanical dewatering of sludge by filter pressing using aluminium chlorohydrate as a conditioning agent is now carried out and the resulting dried sludge is removed either to the refuse tip or to agricultural land. Occasional use is also made of a 700 gallon tractor driven tanker which spreads liquid digested sludge direct to orchards and open farmland.

#### Remarks:

In general the town is adequately served by an efficient sewage system and the original treatment works which had been in operation since 1957 has now been extended. The scheme of extensions included additions to all sections of the treatment plant and included the installation of the filter pressing plant for the mechanical dewatering of sludge.

#### PUBLIC CLEANSING:

Trade and house refuse is collected once weekly, with the exception of certain shops and catering premises which during the summer months, are serviced twice weekly. A charge of 5p. per bin is made for trade refuse.

Refuse was disposed of by controlled tipping at the Merrybrook Tip. A bulldozer is provided for levelling and earth spreading to control the tip and regular spraying and dusting with insecticide powder spraying was carried out to control insect and fly infestation.

Street cleansing was carried out by the street orderly system in the central area of the town and by mechanical sweeping in the remainder of the area. Gullies were emptied by the Council's own Gulley Emptying machine.





### SWIMMING BATHS:

The only swimming bath open to the public in the area is the Corporation owned pool at Common Road, Evesham. The baths are open-air type and were open from May to September. Mains water is used to fill the pool and continuous mechanical filtration takes place through pressure sand filter with the addition of flocculating agent. Breakpoint chlorination is also a continuous process, soda ash being added to control acidity of water and alumia ferric used for flocculation.

Water was examined for free chlorine every two hours whilst the baths were open and a typical log sheet on a warm day with a heavy bathing load reads as follows:-

Temperature: 10 a.m. - 69°F. 2 p.m. - 69°F. 6 p.m. - 70°F.

No. of Bathers: Morning - 30. Afternoon - 180.

### Condition of Water:

<u>Time</u>	<u>Free Chlorine</u>	<u>pH.</u>	<u>Clarity.</u>
10.00 a.m.	1.0 - 1.0	7.5	Good
12 noon	1.0 - 1.5	8.0	"
2.00 p.m.	1.5 - 1.5	7.5	"
4.00 p.m.	1.5 - 1.5	8.0	"
6.00 p.m.	1.5 - 1.5	8.0	"
8.00 p.m.	1.5 - 1.5	8.0	"

### SUMMARY OF PUBLIC HEALTH INSPECTIONS CARRIED

#### OUT DURING THE YEAR

	No. of visits	Premises involved	Informal notices issued	Notices Complied with
Nuisances	69	41	32	28
Obstructed drains and sewers	37	16	4	4
Defective Closets	7	3	3	3
Camping Sites	28	5	1	1
Common Lodging Houses	10	2	-	-
Miscellaneous	155	56	10	10
Noise Nuisances	30	6	4	3
TOTALS:	336	129	54	49

### COMMON LODGING HOUSES:

There are two registered common lodging houses within the area, one for twenty lodgers and the other for nine. The premises are in full occupation and use, but the majority of residents are in regular employment and most have been living in the lodging houses for many years. No accommodation is provided for itinerants.

One of the lodging houses is scheduled for demolition and is in a poor state of repair. The other is very well maintained.

Ten inspections were made during the year.



## SECTION D

### HOUSING

#### Housing Position at the end of 1971:

Population (1972 - annual estimate)	-	14,150
Units of accommodation (April 1973)	-	4,950
No. of persons per unit of accommodation	-	2.92
No. of dwellings built by Council during 1972	-	24
Total No. of Council Houses built in post-war years	-	997
No. of caravan dwellings in permanent occupation (approximately)	-	80
No. of Council House applicants	-	320

#### Slum Clearance:

6 families were rehoused from unfit houses which were subjected to closing orders.

84 inspections were made in connection with slum clearance properties.

#### Caravan Dwellings:

Approximately 80 caravans on one site in the district are used for residential purposes.

#### House Improvements:

During the year 46 grants were made as follows:-

Discretionary Grants	-	42
Standard Grants	-	4

#### Inspection of Dwelling Houses:

Total No. of houses inspected for defect	-	170
No. of inspections made for this purpose	-	291
No. of dwelling houses made fit in consequence of informal action	-	23

It was found necessary to serve one statutory notice requiring the owner to carry out repairs.

#### Qualification Certificates (Housing Act 1969):

17 applications for qualification certificates were received, 4 provisional and 9 certificates being issued.

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### FACTORIES ACTS 1937 - 1959

Details of inspections and action under the above Acts are contained in the Appendix to the report.

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SECTION E  
INSPECTION AND SUPERVISION OF FOOD

Inspections of premises under the Food & Drugs Act continued to be carried out by the Public Health Inspector.

Meat inspection was carried out at the local slaughterhouse, and the 100% inspection of carcasses and offal was maintained, which involved 390 visits to these premises.

RECORD OF INSPECTION AND CONDEMNATION

	Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed	1,622	8	133	5,222	6,426
Number inspected	1,622	8	133	5,222	6,426
<u>All Diseases except T.B.:</u>					
Whole carcasses condemned	2	-	2	5	4
Carcasses of which some part or organ was condemned	127	-	6	37	272
Approximate percentage of the number inspected affected with diseases other than T.B.	8%	-	6%	0.8%	6%
<u>Tuberculosis only:</u>					
Whole carcasses condemned	Nil	Nil	Nil	Nil	Nil
Carcasses of which some part or organ was condemned	Nil	Nil	Nil	Nil	4
Percentage of the number inspected affected with T.B.	-	-	-	-	0.06%

Parasitic infestation, particularly of livers and lungs, was the chief cause of condemnation. Other causes including bruising, abscesses, cysts, pneumonia, nephritis, necroses, bone taint and decomposition.

7 cattle were affected by C. Bovis.

The weight of meat condemned was approximately 3 tons, and this was stored and collected by bi-product manufacturers.

Other Foodstuffs:

59 visits were made and the following were found to be unfit and were surrendered voluntarily:-

Meat at wholesale premises, retail shops and "imported" meats	2 tons	19 cwt	77 lbs.
Cooked Meats and Meat products		2 cwt	94 lbs.
Canned Meats		1 cwt	52 lbs.
Other Canned Foods		10 cwt	87 lbs.
Fish (Fresh)		1 cwt	54 lbs.
Fruit and Vegetables (fresh)		4 cwt	68 lbs.
Frozen Foods, due to refrigeration breakdowns		13 cwt	84 lbs.
Other Foods		-	-
TOTAL:		4 tons	14 cwt 68 lbs.

Unsound cans, and fruit and vegetables were disposed of by burial at the Council's refuse tip.





FOOD & DRUGS ACT

1. Food Hygiene (General) Regulations, 1960:

Premises to which Regulations apply	Total
Grocers	38
Greengrocers	14
Butchers	14
Bakers and Confectioners	8
Fried Fish Shops and Take Away Foods	5
Wet Fish Shops	4
Sweet Shops	12
Cafes and Snack Bars	17
Works Canteens	8
Licensed Premises, including Clubs	36
TOTAL:	156

The general standard of food premises in the area is satisfactory. It was, however, necessary to request a number of traders to carry out certain works of minor repair and redecoration during the year. 264 visits were made to these premises.

2. Milk Supplies:

No. of Dairymen and Purveyors registered - 3  
No. of Dairies registered - 3

Only heat treated milk is retailed in the area, and during the year 9 samples of pasteurised milk and 1 sample of sterilized milk were taken by the County Health Department. All proved satisfactory.

No samples were taken of raw milk to identify Brucella Abortus.

Dairies and delivery vehicles were examined and 7 inspections made for this purpose.

3. Ice Cream:

No. of Retailers registered - 51

There were no manufacturers and the retailers sold only well known makes of this food.

4. Manufacture of Sausage, Potted, Pressed, Pickled & Preserved Foods:

Seven premises are registered for these purposes in the Borough including two large factories which produce sausage, pies, and cooked meats. Regular visits of inspection were made to ensure that the foodstuff was handled hygienically. The general condition under which these foodstuffs are handled and produced can be regarded as satisfactory.

5. Liquid Egg (Pasteurising) Regulations:

There are no premises in the area to which these regulations apply.

6. Poultry Inspection:

No processing plants are established in the area - poultry inspection was only carried out in spot checks at retailers.





SECTION F

RODENT CONTROL

The following work was carried out under the Prevention of Damage by Pests Act, 1949:-

PROPERTIES	TYPE OF PROPERTY	
	Non-Agricultural	Agricultural
1. Number of Properties in district.	6,049	14
2a Total number of Properties (including near by premises) inspected following notification.	104	Nil
b Number infested by (i) rats	104	Nil
(ii) mice	23	Nil
3a Total number of properties inspected for rats and/or mice for reasons other than notification.	20	Nil
b Number infested by (i) rats	9	Nil
(ii) mice	Nil	Nil



SECTION G

OFFICES, SHOPS & RAILWAY PREMISES ACT 1963

(a) Registrations and General Inspections:

Class of Premises	Number of premises registered during the year	Number of registered premises at end of year	Number of registered premises inspected
Offices	4	70	15
Retail Shops	4	112	83
Wholesale shops, warehouses	-	18	-
Catering establishments open to the public, canteens	-	25	23
Fuel storage depots	-	-	-
TOTALS:	8	225	121

Total number of visits to registered premises under the Act: 138.

(b) Analysis of Contraventions found:

Section	Number of Contraventions	Found	Section	Number of Contraventions	Found
4	Cleanliness	2	13	Sitting facilities	-
5	Overcrowding	1	14	Seating (sedentary workers)	-
6	Temperature	2	15	Eating facilities	-
7	Ventilation	-	16	Floors, passage and stairs	2
8	Lighting	-	17	Fencing exposed parts machinery	-
9	Sanitary Conveniences	4	18	Protection of young persons from dangerous machinery	-
10	Washing facilities	1	19	Training of young persons working at dangerous machinery	-
11	Supply of drinking water	-	23	Prohibition of heavy work	-
12	Clothing accommodation	-	24	First Aid	1
				Other matters	2
				TOTAL:	15

(c) Accidents reported in offices and shops:

Five accidents were reported, three occurred in retail shops and were caused by people falling, one was in office premises and was caused by a falling object and the last was at a builders merchants, caused by falling bags of cement.





## SECTION H

### PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES

#### Notifiable Diseases - 1972

19 cases of measles were notified as compared with 4 in the previous year.

There were no deaths from this disease.

The age distribution of these cases was as follows:-

Under 1 year	-	1 case
1 - 2 years	-	5 cases
3 - 4 years	-	4 cases
5 - 9 years	-	8 cases
Age not known	-	1 case
		<u>19 cases</u>

These cases occurred during May, July, August and September of the year.

Other notifications were one case of Food Poisoning and one case of Meningo-Encephalitis.

Effective immunisation procedures are available to minimise the risks of infection with diphtheria, whooping cough, tetanus, poliomyelitis and measles. If the control over these diseases is to be maintained, it is essential that all parents should avail themselves of the facilities for immunisation provided free of charge by family doctors and at the County Council clinics and in the schools.

Arrangements are made to give B.C.G. vaccinations against tuberculosis to school children aged about 13 years, when a simple test has shown this to be necessary.

#### TUBERCULOSIS:

Two new cases of tuberculosis were notified during the year.

#### REGISTERED CASES OF TUBERCULOSIS, DECEMBER 1972

	M.	F.	TOTAL ON 31.12.72	TOTAL ON 31.12.71.	TOTAL ON 31.12.62
Pulmonary	4	3	7	9	53
Non-Pulmonary	-	-	-	-	1
TOTAL:	4	3	7	9	54





APPENDIX

FACTORIES ACTS 1937 & 1948

PART I OF THE ACT

1. Inspections for the purposes of provisions as to health:-

Premises	Number on Register	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(1) Factories in which Sec. 1,2,3,4 & 6 are to be enforced by Local Authorities.	3	1	-	-
(2) Factories not included in (1) in which Sec. 7 is enforced by the Local Authority.	85	22	-	-
(3) Other premises in which Sec. 7 is enforced by the Local Authority (excluding outworkers' premises).	2	1	-	-
TOTAL:	90	22	-	-

2. Cases in which defects were found:-

Particulars	Number of cases in which defects were found				No. of cases in which prosecutions were instituted.
	Found	Remedied	Referred		
			to H.M. Insp.	by H.M. Insp.	
Want of cleanliness	2	2	-	-	-
Overcrowding	-	-	-	-	-
Unreasonable temperature	-	-	-	-	-
Inadequate ventilation	-	-	-	-	-
Ineffective drainage of floors	-	-	-	-	-
<u>Sanitary Conveniences:</u>					
(a) Insufficient	1	-	-	-	-
(b) Unsuitable or defective	4	4	-	-	-
(c) Not separate for sexes	-	-	-	-	-
Other offences against the Act	-	-	-	-	-
TOTAL:	7	6	-	-	-

PART VIII OF THE ACT - OUTWORK

During the year 41 outworkers were engaged in the manufacture of small metal wares (spectacle cases) and one in the altering of wearing apparel. Working conditions were, in general, found to be quite satisfactory.

# THE UNIVERSITY OF CHICAGO DEPARTMENT OF CHEMISTRY RECORD OF RESEARCH

Project Title			Investigator	Date
Project No.	Project Name	Project Description		
1	Study of the properties of the new element	Investigation of the physical and chemical properties of the new element, including its atomic weight, valence, and other characteristics.	Dr. J. D. Smith	1925
2	Study of the properties of the new element	Investigation of the physical and chemical properties of the new element, including its atomic weight, valence, and other characteristics.	Dr. J. D. Smith	1926
3	Study of the properties of the new element	Investigation of the physical and chemical properties of the new element, including its atomic weight, valence, and other characteristics.	Dr. J. D. Smith	1927
4	Study of the properties of the new element	Investigation of the physical and chemical properties of the new element, including its atomic weight, valence, and other characteristics.	Dr. J. D. Smith	1928
5	Study of the properties of the new element	Investigation of the physical and chemical properties of the new element, including its atomic weight, valence, and other characteristics.	Dr. J. D. Smith	1929

Project Title			Investigator	Date
Project No.	Project Name	Project Description		
6	Study of the properties of the new element	Investigation of the physical and chemical properties of the new element, including its atomic weight, valence, and other characteristics.	Dr. J. D. Smith	1930
7	Study of the properties of the new element	Investigation of the physical and chemical properties of the new element, including its atomic weight, valence, and other characteristics.	Dr. J. D. Smith	1931
8	Study of the properties of the new element	Investigation of the physical and chemical properties of the new element, including its atomic weight, valence, and other characteristics.	Dr. J. D. Smith	1932
9	Study of the properties of the new element	Investigation of the physical and chemical properties of the new element, including its atomic weight, valence, and other characteristics.	Dr. J. D. Smith	1933
10	Study of the properties of the new element	Investigation of the physical and chemical properties of the new element, including its atomic weight, valence, and other characteristics.	Dr. J. D. Smith	1934
11	Study of the properties of the new element	Investigation of the physical and chemical properties of the new element, including its atomic weight, valence, and other characteristics.	Dr. J. D. Smith	1935
12	Study of the properties of the new element	Investigation of the physical and chemical properties of the new element, including its atomic weight, valence, and other characteristics.	Dr. J. D. Smith	1936
13	Study of the properties of the new element	Investigation of the physical and chemical properties of the new element, including its atomic weight, valence, and other characteristics.	Dr. J. D. Smith	1937
14	Study of the properties of the new element	Investigation of the physical and chemical properties of the new element, including its atomic weight, valence, and other characteristics.	Dr. J. D. Smith	1938
15	Study of the properties of the new element	Investigation of the physical and chemical properties of the new element, including its atomic weight, valence, and other characteristics.	Dr. J. D. Smith	1939

The above record of research is a summary of the work done by the Department of Chemistry, University of Chicago, during the period from 1925 to 1939. It is intended to provide a general overview of the progress of the department's research in the field of chemistry.

The record is divided into two main sections: the first section contains the names of the investigators and the dates of their work, and the second section contains the titles of the projects and brief descriptions of the work done.

The record is intended to be a permanent record of the department's research, and it is hoped that it will be of value to future generations of chemists.



